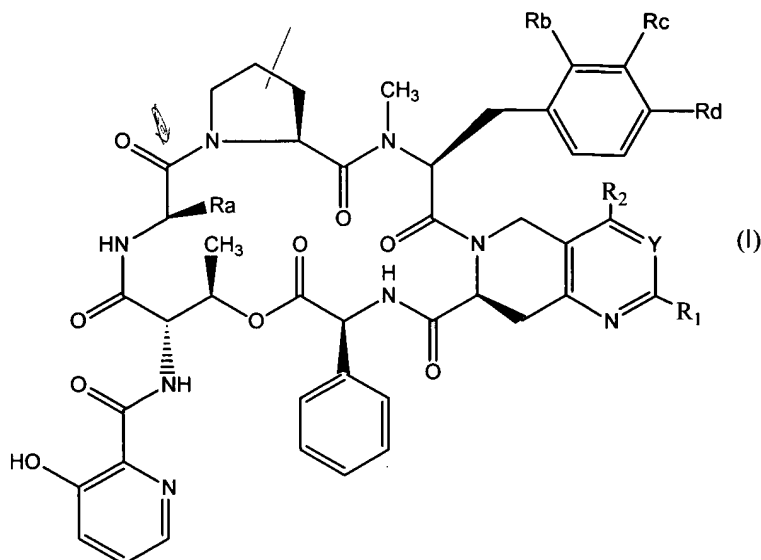


C1



(A) Y is chosen from (i) a nitrogen atom and (ii) $=\text{CR}_3-$ groups, and

(a₁) a hydrogen atom, C₁-C₈ alkyl groups, and C₂-C₈ alkenyl groups,

(b₁) C₃-C₈ cycloalkyl groups, and saturated and unsaturated C₃-C₈ heterocyclyl groups,

(c₁) an unsubstituted phenyl group,

(d₁) a phenyl group substituted with at least one substituent chosen from halogen atoms, a hydroxyl group, alkyl groups, alkyloxy groups, alkylthio groups, alkylsulphinyl groups, alkylsulphonyl groups, an amino group, alkylamino groups, and dialkylamino groups, and

(e₁) groups -NR'R'', wherein

- C1
- R' and R", which are identical or different, are each chosen from a hydrogen atom, and C₁-C₃ alkyl groups, or
 - R' and R", which are identical or different, form, together with the nitrogen atom to which they are attached, a 3- to 8-membered heterocyclyl group, wherein one of said members, in addition to said nitrogen atom, may be an atom chosen from an oxygen atom, a sulphur atom, and a nitrogen atom, and wherein said heterocyclyl group is optionally substituted with a group chosen from alkyl groups, C₂-C₈ alkenyl groups, C₃-C₆ cycloalkyl groups, saturated and unsaturated 4- to 6-membered heterocyclyl groups, a benzyl group, an unsubstituted phenyl group, and a substituted phenyl group, as defined above in (d₁),
 - (f₁) halomethyl groups, a hydroxymethyl group, and alkyloxymethyl groups,
 - (g₁) alkylthiomethyl groups, wherein said alkyl portion is optionally substituted with an -NR'R" group, and wherein said R' and said R" are as defined above in (e₁),
 - (h₁) alkylsulphinylmethyl groups, alkylsulphonylmethyl groups, an acyloxymethyl group, a benzoyloxymethyl group, a cyclopropylaminomethyl group, and -(CH₂)_nNR'R" groups, wherein n is chosen from integers ranging from 1 to 4, and wherein said R' and said R" are as defined above in (e₁), and

(i₁) when R₃ is a hydrogen atom, R₁ is additionally chosen from a formyl group, a carboxyl group, alkyloxycarbonyl groups, and -CONR'R" groups, wherein said R' and said R" are defined as above in (e₁), and

(2) when Y is a nitrogen atom, R₁ is chosen from

(a₂) options (a₁), (b₁), (c₁), (d₁), and (e₁) as defined above, and

(b₂) -XR° groups, wherein X is chosen from an oxygen atom, a sulphur atom, a sulphinyl group, a sulphonyl group, and an -NH- group, and wherein R° is chosen from (i) (C₁ to C₈) alkyl groups, (ii) (C₃ to C₆) cycloalkyl groups, (iii) saturated and unsaturated 3- to 8-membered heterocyclyl groups, (iv) 3- to 8-membered heterocyclylmethyl groups in which the heterocyclyl portion is attached to the methyl group by a carbon atom, (v) an unsubstituted phenyl group, (vi) phenyl groups substituted with at least one group chosen from halogen atoms, a hydroxyl group, alkyl groups, alkyloxy groups, alkylthio groups, alkylsulfinyl groups, alkylsulfonyl groups, an amino group, alkylamino groups, and dialkylamino groups, (vii) -(CH₂)_nNR'R" groups, wherein R' and R" are as defined above in (e₁), and wherein n is chosen from integers ranging from 2 to 4, and (viii) if X is an NH group, R° may also be a hydrogen atom;

(B) R₂ is chosen from a hydrogen atom and C₁-C₃ alkyl groups,

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- (C) R_3 is chosen from a hydrogen atom, alkyl groups, a carboxyl group, alkyloxycarbonyl groups, and carbamoyl groups of formula $-\text{CO}-\text{NR}'\text{R}''$, wherein said R' and said R'' are defined as above in (e₁),
- (D) R_a is chosen from a methyl group and an ethyl group, and
- (E) R_b , R_c , and R_d are defined as follows:
- (1) - R_b and R_c are each a hydrogen atom and
- R_d is chosen from a hydrogen atom, a methylamino group, and a dimethylamino group, or
- (2) - R_b is a hydrogen atom,
- R_c is chosen from a hydrogen atom, a chlorine atom, a bromine atom, and C_3 - C_5 alkenyl groups, and
- R_d is chosen from $-\text{N}(\text{CH}_3)\text{R}'''$ groups, wherein
- R''' is chosen from
- (a) alkyl groups, C_2 - C_4 hydroxyalkyl groups, and C_2 - C_8 alkenyl groups, wherein said C_2 - C_8 alkenyl groups are optionally substituted with a group chosen from
- (i) an unsubstituted phenyl group, a (C_3 - C_6)cycloalkylmethyl group, a benzyl group, and
- (ii) a benzyl group substituted with at least one substituent as defined with respect to said substituted phenyl groups in (d₁) above,
- (iii) heterocyclylmethyl groups and heterocyclylethyl groups, wherein said heterocyclyl portions of said

C1

heterocyclylmethyl groups and said heterocyclylethyl groups are chosen from saturated and unsaturated 5- to 6-membered heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom, and wherein said heterocyclyl groups are optionally substituted with a group chosen from alkyl groups, C₂-C₈ alkenyl groups, C₃-C₆ cycloalkyl groups, saturated and unsaturated 4- to 6-membered heterocyclyl groups, an unsubstituted phenyl group, a benzyl group, and a substituted phenyl group as defined above in (d₁),

- (b) a cyanomethyl group, and
- (c) -CH₂COR_e groups, wherein R_e is chosen from
 - (i) -OR'_e groups, wherein R'_e is chosen from a hydrogen atom, C₁-C₆ alkyl groups, C₂-C₆ alkenyl groups, a benzyl group, and heterocyclylmethyl groups, wherein said heterocyclyl portion is chosen from 5- to 6- membered heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom,
 - (ii) alkylamino groups, alkylmethylamino groups, heterocyclylamino groups and heterocyclylmethylamino groups, wherein said

heterocyclyl portion of said heterocyclylamino groups and said heterocyclylmethylamino groups is chosen from 5- to 6- membered saturated heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom, and wherein said heterocyclyl groups are optionally substituted with a group chosen from alkyl groups, a benzyl group, and alkyloxycarbonyl groups, or

- C1
- (3) - Rb is a hydrogen atom, and
- Rd is chosen from an -NHCH_3 group and an $\text{-N(CH}_3)_2$ group, and Rc is chosen from a chlorine atom, and a bromine atom, and when Rd is an $\text{-N(CH}_3)_2$ group, Rc is chosen from $\text{C}_3\text{-C}_5$ alkenyl groups, or
- (4) - Rb and Rd are each a hydrogen atom and
- Rc is chosen from halogen atoms, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, $\text{C}_1\text{-C}_6$ alkyl groups, and trihalomethyl groups, or
- (5) - Rb and Rc are each a hydrogen atom and
- Rd is chosen from halogen atoms, an ethylamino group, a diethylamino group, a methylethylamino group, alkyloxy groups, a trifluoromethoxy group, alkylthio groups, alkylsulphinyl groups, alkylsulphonyl groups, $\text{C}_1\text{-C}_6$ alkyl groups, a phenyl group, and trihalomethyl groups, or
- (6) - Rb is a hydrogen atom and

- R_c is chosen from halogen atoms, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, and C₁-C₃ alkyl groups, and
- R_d is chosen from halogen atoms, an amino group, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, C₁-C₆ alkyl groups, and trihalomethyl groups, or
- (7) - R_c is a hydrogen atom and
- R_b and R_d are each a methyl group, and

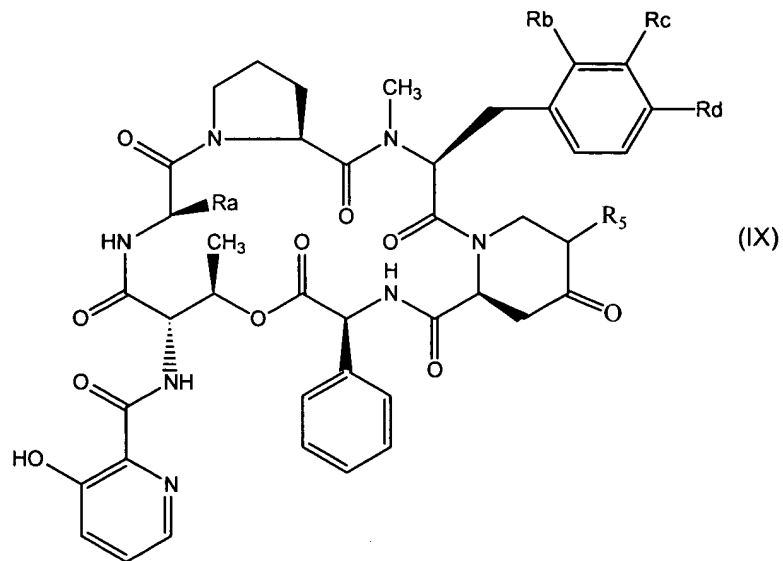
- unless otherwise stated, said alkyl groups, said alkenyl groups, and said acyl groups are chosen from, respectively, straight and branched alkyl groups, straight and branched alkenyl groups, and straight and branched acyl groups, and
- unless otherwise stated, said alkyl groups and said acyl groups comprise from 1 to 4 carbon atoms.

C1
includes

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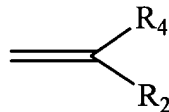
31. (Once Amended) A streptogramin derivative of formula (IX):



wherein

(A) - Ra is a methyl group,

- R₅ is chosen from disubstituted methylenyl groups of formula:



wherein:

(a) R₂ is chosen from a hydrogen atom and C₁-C₃ alkyl groups and

R₄ is a hydrogen atom, or

(b) R₂ is a hydrogen atom and

R₄ is chosen from a hydrogen atom and dialkylamino groups,

- Rb, Rc, and Rd are defined as follows:

- (1) - Rb and Rc are each a hydrogen atom, and
- Rd is chosen from a hydrogen atom, a methylamino group, and a dimethylamino group, or
- (2) - Rb is a hydrogen atom,
- Rc is chosen from a hydrogen atom, a chlorine atom, a bromine atom, and C₃-C₅ alkenyl groups, and
 - Rd is chosen from -N(CH₃)R''' groups, wherein
 - R''' is chosen from
 - (a) alkyl groups, C₂-C₄ hydroxyalkyl groups, and C₂-C₈ alkenyl groups, wherein said C₂-C₈ alkenyl groups are optionally substituted with a group chosen from
 - (i) an unsubstituted phenyl group, C₃-C₆ cycloalkyl groups, a methyl group, a benzyl group,
 - (ii) a benzyl group substituted with at least one substituent chosen from halogen atoms, a hydroxyl group, alkyl groups, alkyloxy groups, alkylthio groups, alkylsulphinyl groups, alkylsulphonyl groups, an amino group, alkylamino groups, and dialkylamino groups,
 - (iii) heterocyclymethyl groups and heterocycylethyl groups, wherein said heterocyclyl portions of said heterocyclymethyl groups and said heterocycylethyl groups are chosen from saturated and

C₂

unsaturated 5- to 6-membered heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom, and wherein said heterocyclyl groups are optionally substituted with a group chosen from alkyl groups, C₂-C₈ alkenyl groups, C₃-C₆ cycloalkyl groups, saturated and unsaturated 4- to 6-membered heterocyclyl groups, an unsubstituted phenyl group, a substituted phenyl group as defined above in (a)(ii),

- C₂
- (b) a cyanomethyl group, and
 - (c) -CH₂CORE groups, wherein Re is chosen from
 - (i) -OR'e groups, wherein R'e is chosen from a hydrogen atom, C₁-C₆ alkyl groups, C₂-C₆ alkenyl groups, a benzyl group, and heterocyclylmethyl groups, wherein said heterocyclyl portion is chosen from 5- to 6- membered heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom,
 - (ii) alkylamino groups, alkylmethylamino groups, heterocyclylamino groups and heterocyclylmethylamino groups, wherein said heterocyclyl portion of said heterocyclylamino groups and said heterocyclylmethylamino groups is chosen from 5- to 6-membered saturated heterocyclyl groups comprising from 1 to 2 heteroatoms chosen from a sulphur atom, an oxygen atom, and a nitrogen atom, and wherein said heterocyclyl groups are

optionally substituted with a group chosen from alkyl groups, a benzyl group, and alkyloxycarbonyl groups, or

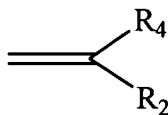
- C₂
- (3) - Rb is a hydrogen atom,
- Rd is chosen from an -NHCH₃ group and an -N(CH₃)₂ group, and Rc is chosen from a chlorine atom, and a bromine atom, or when Rd is an -N(CH₃)₂ group, Rc is chosen from C₃-C₅ alkenyl groups, or
- (4) - Rb and Rd are each a hydrogen atom, and
- Rc is chosen from halogen atoms, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, C₁-C₆ alkyl groups, and trihalomethyl groups, or
- (5) - Rb and Rc are each a hydrogen atom, and
- Rd is chosen from halogen atoms, an ethylamino group, a diethylamino group, a methylethylamino group, alkyloxy groups, a trifluoromethoxy group, alkylthio groups, alkylsulphinyl groups, alkylsulphonyl groups, C₁-C₆ alkyl groups, a phenyl group, and trihalomethyl groups, or
- (6) - Rb is a hydrogen atom,
- Rc is chosen from halogen atoms, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, and C₁-C₃ alkyl groups, and

- R_d is chosen from halogen atoms, an amino group, alkylamino groups, dialkylamino groups, alkyloxy groups, a trifluoromethoxy group, thioalkyl groups, C₁-C₆ alkyl groups, and trihalomethyl groups, or

- (7) - R_c is a hydrogen atom, and
- R_b and R_d are each a methyl group, or

C₂
concludes

- (B) - R_a is an ethyl group,
- R_b, R_c and R_d are defined as above in (2) to (7)₁ and
 - R₅ is chosen from disubstituted methylenyl groups of formula:



wherein R₂ and R₄ are defined as above, or

- (C) - R₅ is a hydrogen atom,
- R_a is a methyl group or an ethyl group, and
 - R_b, R_c, and R_d are defined as above in (2), provided that R''' is not an ethyl group when R_b and R_c are hydrogen atoms.

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